



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

SEP 25 2015

Allnex USA Inc.
Attn: Ms. Virginia Ryan, SHE Manager
528 South Cherry Street
Wallingford, Connecticut 06492

Re: PCB Risk-Based Disposal Approval under 40 CFR § 761.61(c)
Allnex Substation F (AOC 906)
528 South Cherry Street
Wallingford, Connecticut

Dear Ms. Ryan:

This is in response to the Allnex USA Inc. ("Allnex") Notification¹ to clean up *PCB remediation waste* on its property located at 528 South Cherry Street in Wallingford, Connecticut. Specifically, PCB contamination exceeding the allowable concentrations for unrestricted use is present in soil and concrete located at the former Substation F and current Substation F areas (hereinafter "the Site") on the property. The Notification was submitted on behalf of Allnex by Amec Foster Wheeler in accordance with the PCB self implementing cleanup and disposal requirements at 40 CFR § 761.61(a)(3).

Allnex has classified the Site as a *low occupancy area* as defined under 40 CFR § 761.3. In the Notification, Allnex indicated that due to structural considerations and underground electrical conduits and utilities, the *low occupancy area* PCB cleanup standards for soil and concrete specified under 40 CFR § 761.61(a) may not be achievable. Accordingly, Allnex has proposed a risk-based disposal plan that includes the following activities:

¹ Information was submitted to satisfy the notification requirements under 40 CFR §§ 761.61(a)(3) and (c). Information was provided dated November 7, 2012 (Area of Concern 906 PCB Investigation Report and Remedial Action Plan); July 2, 2013 (Response to April 9, 2013 EPA Comments); January 2014 (AOC 906 PCB Investigation Report and Remedial Action Plan, Revision 1); May 5, 2014 (email on property transfer); July 11, 2014 (Response to May 7, 2014 EPA comments); December 9, 2014 (supplemental data and notice of revision to Remedial Action Plan); February 2015 (AOC 906 PCB Investigation Report and Remedial Action Plan, Revision 2); June 10, 2015 (email project status); August 5, 2015 (email draft work plan for PCB work); August 19, 2015 (email draft AOC 906 PCB Investigation Report and Remediation Action Plan, Revision 3); August 21, 2015 (email Response to August 19, 2015 EPA Comments); August 27, 2015 (email Response to August 21, 2015 EPA Comments); September 2, 2015 (AOC 906 PCB Investigation Report and Remedial Action Plan, Revision 3); September 15, 2015 (emails clarification on replacement cover for cable vault and Site contacts). These submittals, together, will be referred to as the "Notification."

- Excavate PCB-contaminated soil with greater than (“>”) 10 parts per million (“ppm”) within the former Substation F cable pits and the accessible cable vault to the extent practicable. Inaccessible PCB-contaminated soil with > 10 ppm will remain in-place
- Excavate accessible PCB-contaminated soil with > 10 ppm surrounding the current and former Substation F concrete pads, as feasible
- Remove the former Substation F concrete pad cover over the inaccessible and accessible cable vault areas and dispose as a greater than or equal to (“≥”) 50 ppm *PCB remediation waste* and place new steel or concrete cover over openings once removal of PCB-contaminated soil has been completed
- Decontaminate former Substation F PCB-contaminated concrete (i.e., *porous surfaces*) with > 25 ppm; *porous surfaces* (i.e., concrete vault east and west sidewalls) with > 25 ppm will be encapsulated and marked with the PCB M_L label in accordance with 40 CFR § 761.30(p)
- Collect soil verification samples in accordance with Subpart O to confirm that the PCB cleanup standard has been met
- Place geotextile or similar fabric as a demarcation barrier throughout the excavation areas, backfill excavations with granular soil, and place crushed stone and/or bituminous pavement over areas where PCB concentrations > 1 ppm remain
- Dispose of *PCB remediation waste* as a greater than or equal to (“≥”) 50 ppm PCB waste in accordance with 40 CFR §§ 761.61(a)(5)(i)(B)(2)(i) and (iii)
- Record a deed notice in accordance with 40 CFR § 761.61(a)(8) or in the form of an Environmental Land Use Restriction (“ELUR”) to document PCB concentrations remaining, Site restrictions, and maintenance requirements for encapsulated *porous surfaces* and for ground surfaces

The proposed plan meets the requirements under 40 CFR § 761.61(a). In its Notification, Allnex is proposing to use the *Continued use of porous surfaces contaminated with PCBs regulated for disposal by spills of liquid PCBs* use authorization at 40 CFR § 761.30(p) if it cannot meet the concrete decontamination standard of 25 ppm due to safety concerns with live electrical conduits or structural issues. This authorization allows a facility owner to continue to use a PCB-contaminated *porous surface* provided it complies with the use authorization conditions which include (1) encapsulation of the contaminated surface with a resistant coating, and (2) marking of the contaminated surface. Allnex is proposing to comply with these use authorization criteria and to record the location of the associated concrete structure on the property land records.

Given the Site location and the proposed plan, EPA has determined that disposal of PCB-contaminated soils as proposed will not pose an unreasonable risk of injury to health or the environment as a clean cover will be installed and maintained within the Site area. This clean cover will provide an effective barrier to PCB-contaminated soils with > 1 ppm that remain at the Site. EPA applies this reasonable risk standard in accordance with the PCB regulations at 40 CFR § 761.61(c) and with Section 6(e) of TSCA, 15 USC § 2605(e).

EPA is approving the Notification and you may proceed with the proposed PCB cleanup and disposal under 40 CFR § 761.61(c), § 761.30(p), the Notification, and this Approval subject to the conditions of Attachment 1.

Please be aware that this Approval does not release Allnex from any applicable requirements of federal, state or local law, including those requirements related to the cleanup of PCBs and other [non-PCB] contaminants under the Connecticut Department of Energy and Environmental Protection ("CTDEEP") regulations.

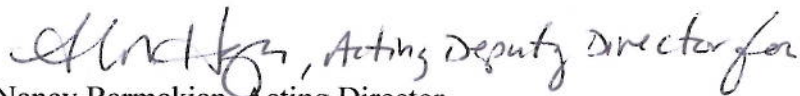
EPA encourages the compliance with greener cleanup practices for all cleanup projects, and recommends adherence to the ASTM Standard Guide to Greener Cleanups E2893-13 ("Guide") for work conducted under this Approval and the Notification. Greener cleanups is the practice of integrating options that minimize the environmental impacts of cleanup actions in order to incorporate practices that maximize environmental and human benefit. Please see Section 6 of the Guide for the Best Management Practices (BMP) Process dated December 19, 2013. (see www.astm.org/Standards/E2893.htm for additional information) EPA encourages you to review the Guide and implement any practices that are feasible. If implemented, the PCB completion report should include a section on BMP Documentation, as described in Section 6.6.5 of the Guide.

Questions and correspondence concerning and/or required under this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator
United States Environmental Protection Agency
5 Post Office Square, Suite 100 (OSRR07-2)
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

EPA shall consider this project complete only when it has received documents evidencing construction of the final clean cover and adoption of the deed restriction and/or ELUR. Should you have any questions on this matter, please contact Kimberly Tisa at (617) 918-1527.

Sincerely,

A handwritten signature in dark ink, appearing to read "Nancy Barmakian, Acting Deputy Director for".

Nancy Barmakian, Acting Director
Office of Site Remediation & Restoration

Attachment 1: Approval Conditions

Attachment 2: AOC 906 Site

cc: Carl Dahlman, Allnex
Nelson Breton, Amec
Gary Trombly, CTDEEP
File

ATTACHMENT 1:

**PCB RISK-BASED DISPOSAL APPROVAL CONDITIONS
ALLNEX INDUSTRIAL FACILITY – AREA OF CONCERN 906
528 SOUTH CHERRY STREET
WALLINGFORD, CONNECTICUT**

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to *PCB remediation waste* (i.e., PCB-contaminated soil and concrete) associated with former transformer releases/spills within Area of Concern (“AOC”) 906. Specifically, this Approval includes both the former and current Substation F areas (hereinafter the “Site”) as identified in the Notification (see Attachment 2) ².
2. Allnex USA Inc (“Allnex”) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.
3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.
4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.
5. Allnex must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, Allnex shall contact EPA within 24 hours for direction on sampling and cleanup requirements.
6. Allnex is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time Allnex has or receives information indicating that it or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.

² Information was submitted to satisfy the notification requirements under 40 CFR §§ 761.61(a)(3) and (c). Information was provided dated November 7, 2012 (Area of Concern 906 PCB Investigation Report and Remedial Action Plan); July 2, 2013 (Response to April 9, 2013 EPA Comments); January 2014 (AOC 906 PCB Investigation Report and Remedial Action Plan, Revision 1); May 5, 2014 (email on property transfer); July 11, 2014 (Response to May 7, 2014 EPA comments); December 9, 2014 (supplemental data and notice of revision to Remedial Action Plan); February 2015 (AOC 906 PCB Investigation Report and Remedial Action Plan, Revision 2); June 10, 2015 (email project status); August 5, 2015 (email draft work plan for PCB work); August 19, 2015 (email draft AOC 906 PCB Investigation Report and Remediation Action Plan, Revision 3); August 21, 2015 (email Response to August 19, 2015 EPA Comments); August 27, 2015 (email Response to August 21, 2015 EPA Comments); September 2, 2015 (AOC 906 PCB Investigation Report and Remedial Action Plan, Revision 3); September 15, 2015 (emails clarification on replacement cover for cable vault and Site contacts). These submittals, together, will be referred to as the “Notification.”

7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by Allnex are authorized to conduct the activities set forth in the Notification. Allnex is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.
8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release Allnex from compliance with any applicable requirements of federal, state or local law; or 3) release Allnex from liability for, or otherwise resolve, any violations of federal, state or local law.
9. Failure to comply with the Approval conditions specified herein shall constitute a violation of the requirement in 40 CFR § 761.50(a) to store or dispose of PCB waste in accordance with 40 CFR Part 761 Subpart D.

NOTIFICATION AND CERTIFICATION CONDITIONS

10. This Approval may be revoked if the EPA does not receive written notification from Allnex of acceptance of the conditions of this Approval within 10 business days of receipt.

CLEANUP AND DISPOSAL CONDITIONS

11. The cleanup levels for *PCB remediation waste* at the Site shall be in accordance with 40 CFR §§ 761.61(a)(4) and (c) and shall meet the requirements for a *low occupancy area* to the extent feasible and practical as described in the Notification.
 - a. Bulk *PCB remediation waste* (i.e., soil) samples shall be collected on a bulk basis (i.e., mg/Kg) and reported on a dry-weight basis. Verification sampling shall be conducted in accordance with Subpart O and as described in the Notification.
 - b. *Porous surfaces* (i.e., concrete) verification samples shall be collected on a bulk basis (i.e. mg/Kg) and reported on a dry-weight basis. Sampling shall be conducted in accordance with the EPA Region 1 *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011*, at a maximum depth interval of 0.5 inches, and in accordance with the frequency requirements at Subpart O.
 - c. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 for solid matrices and Method 3500B/3510C of SW-846 for aqueous matrices; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction and/or analytical method(s) is validated according to Subpart Q.

12. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with § 761.61(a)(5), unless otherwise specified as follows:
 - a. Non-liquid cleaning materials, such as PPE and similar materials resulting from decontamination, shall be disposed of in accordance with 40 CFR § 761.79(g)(6).
 - b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).
 - c. PCB-contaminated water generated during decontamination or dewatering shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.70.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

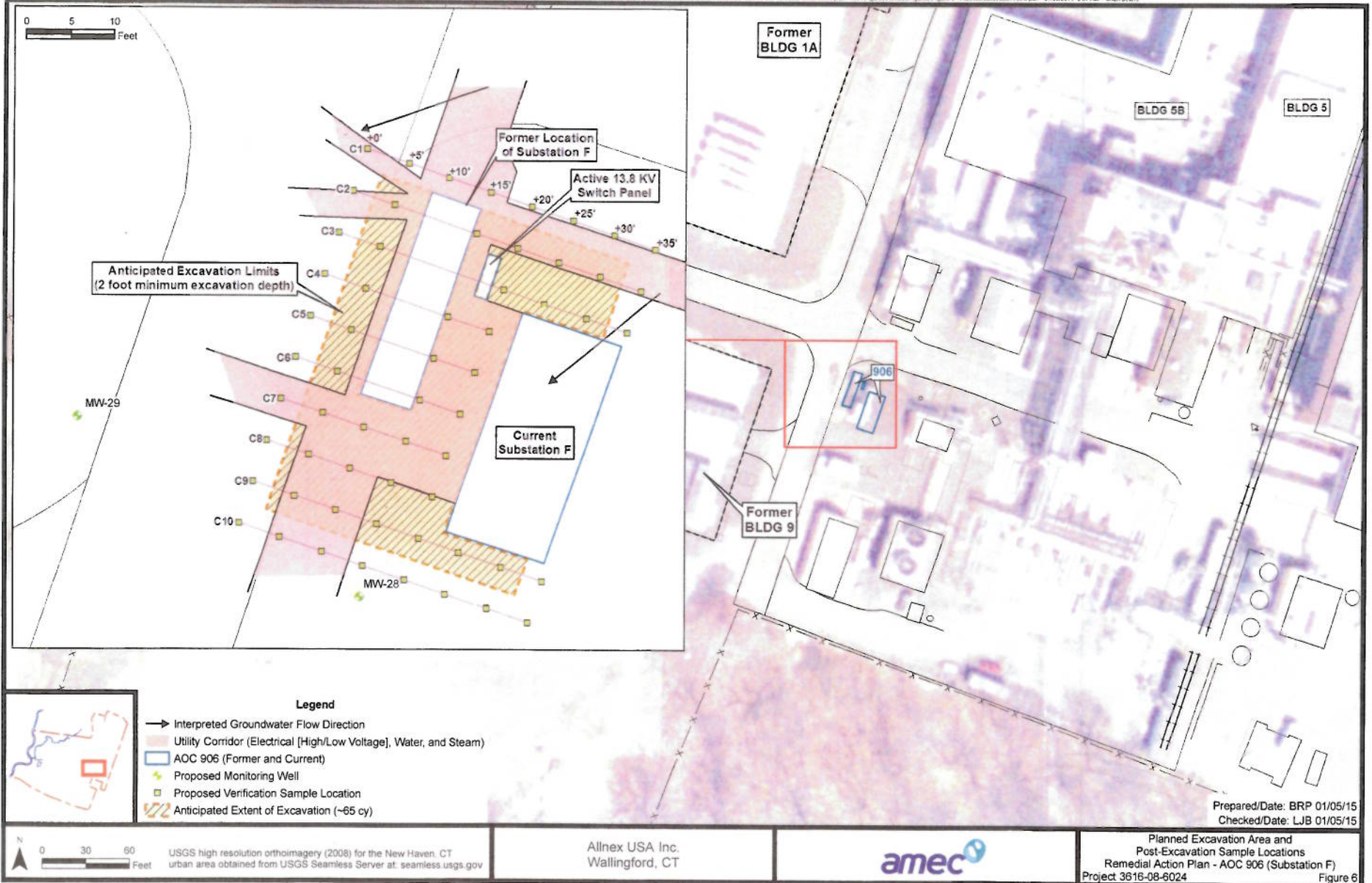
13. Allnex shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by Allnex to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.
14. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).
15. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.
16. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

17. Allnex shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the cleanup and the analytical sampling shall be established and maintained by Allnex in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection by authorized representatives of EPA.
18. Allnex shall submit a final report, both in hard copy and CD-ROM format, to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities with photo-documentation and Greener Cleanups BMPs documentation, if applicable; characterization and confirmation sampling analytical results; copies of the accompanying chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of and the size of the remediated area; copies of manifests and bills of lading, or equivalent; and copies of certificates of disposal or similar certifications issued by the disposer.
19. Within 60 days of completion of the PCB cleanup activities described in the Notification and authorized by this Approval, and as required under §761.61(a)(8)(i)(B), Allnex shall submit to EPA a certification, signed by an approving official, that it has recorded the notation on the deed as required under §761.61(a)(8)(i)(A). A copy of the notation on the deed must also be submitted.
20. Required submittals shall be mailed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02114-2023
Telephone: (617) 918-1527 / Facsimile: (617) 918-0527
21. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self disclosure or penalty policies.

END OF ATTACHMENT 1



Attachment 2